

HIV Incidence Report 2020 Tables

Table 1. Number of New Cases and Rates (per 100,000 people) of HIV Diagnoses, HIV (non-AIDS), & AIDS (New Diagnosis AIDS, Progressed to AIDS)^I Minnesota, 1982-2020

Year	HIV Diagnosis ^{III}		HIV (non-AIDS) ^{III}		New AIDS Diagnosis		Progressed to AIDS		Total AIDS ^{IV}	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
1982-1999	6,033	--	5,034	--	999	--	2531	--	3,530	--
2000	282	5.7	220	4.5	62	1.3	111	2.3	173	3.5
2001	282	5.7	231	4.6	51	1.0	95	1.9	146	2.9
2002	307	6.1	250	5.0	57	1.1	117	2.3	174	3.5
2003	281	5.6	228	4.5	53	1.0	143	2.8	196	3.9
2004	308	6.1	240	4.7	68	1.3	179	3.5	247	4.9
2005	305	6.0	246	4.8	59	1.2	157	3.1	216	4.2
2006	315	6.1	268	5.2	47	0.9	149	2.9	196	3.8
2007	330	6.3	264	5.1	66	1.3	123	2.4	189	3.6
2008	322	6.1	249	4.7	73	1.4	130	2.5	203	3.9
2009	366	6.9	278	5.3	88	1.7	101	1.9	189	3.6
2010	331	6.2	248	4.7	83	1.6	98	1.8	181	3.4
2011	292	5.5	221	4.2	71	1.3	116	2.2	187	3.5
2012	314	5.9	237	4.5	77	1.5	122	2.3	199	3.8
2013	303	5.7	218	4.1	85	1.6	80	1.5	165	3.1
2014	312	5.9	237	4.5	75	1.4	95	1.8	170	3.2
2015	303	5.7	234	4.4	69	1.3	79	1.5	148	2.8
2016	300	5.7	239	4.5	61	1.2	74	1.4	135	2.5
2017	280	5.3	215	4.1	65	1.2	81	1.5	146	2.8
2018	286	5.4	228	4.3	58	1.1	58	1.1	116	2.2
2019	275	5.2	219	4.1	56	1.1	54	1.0	111	2.1
2020	226	3.5	183	3.6	43	0.8	24	0.5	67	1.3
Cumulative Total^{II}	12,339	232.6	9,987	188.3	2355	44.4	4,527	85.4	6,882	129.8

^I HIV Diagnosis = New cases of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis) diagnosed within a given calendar year. HIV (non-AIDS) = New cases of HIV diagnosis (excluding AIDS at first diagnosis) diagnosed within a given calendar year. New AIDS Diagnosis= AIDS at first diagnosis. Progressed to AIDS= diagnosis of HIV (non-AIDS) in a previous year with a diagnosis of AIDS in given calendar year. Total AIDS = All new cases of AIDS diagnosed within a given calendar year, including AIDS at first diagnosis.

^{II} The cumulative rate is calculated by dividing the cumulative number of cases by the estimated current state population and multiplying by 100,000. Rates for individual calendar years were calculated using 2010 U.S. Census population data (2010-2013), 2000 U.S. Census population data for 2000, and U.S. Census intercensal population estimates released in September 2011 were used for years 2001-2009.

^{III} Numbers and rates exclude federal and private prisoners and refugees in the HIV-Positive Refugee Resettlement Program, as well as refugee/immigrants with an HIV diagnosis prior to arrival in Minnesota

^{IV} Numbers and rates include refugees in the HIV-Positive Refugee Resettlement Program, as well as other refugee/immigrants diagnosed with AIDS subsequent to their arrival in the U.S.

The sum of HIV (non-AIDS) cases and AIDS cases will be greater than the number of cases of HIV Infection in a given year. The difference occurs because, unlike the HIV Infection category, the AIDS category includes both cases that are AIDS at first diagnosis as well as those cases that progress from HIV (non-AIDS) to AIDS during the year (see above definitions).

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Table 2. Number of Cases and Rates (per 100,000 people) of HIV Diagnosis by Residence, Age, and Sex Assigned at Birth¹ Minnesota, 2020

Group	Assigned Male at Birth		Assigned Female at Birth		Total		HIV
	Cases	%	Cases	%	Cases	%	Infection Rate
Residence^{II}							
Minneapolis	52	28%	7	19%	59	26%	15.4
St. Paul	27	14%	3	8%	30	13%	10.5
Suburban	68	36%	16	43%	84	37%	3.8
Greater Minnesota	42	22%	11	30%	53	23%	2.2
Total	189	100%	37	100%	226	100%	4.3
Age							
<13 yrs.	0	0%	0	0%	0	0%	0.0
13-19 yrs.	9	5%	1	3%	10	4%	2.0
20-24 yrs.	32	17%	4	11%	36	16%	10.1
25-29 yrs.	37	20%	5	14%	42	19%	11.3
30-34 yrs.	32	17%	2	5%	34	15%	9.9
35-39 yrs.	22	12%	10	27%	32	14%	9.8
40-44 yrs.	17	9%	1	3%	18	8%	5.1
45-49 yrs.	16	8%	8	22%	24	11%	5.9
50-54 yrs.	8	4%	1	3%	9	4%	2.2
55-59 yrs.	10	5%	2	5%	12	5%	3.4
60+ yrs.	6	3%	3	8%	9	4%	0.9
Total	189	100%	37	100%	226	100%	4.3

¹HIV Diagnosis includes all new cases of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis) among Minnesota residents in 2020.

^{II}Residence at time of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis).

Suburban = Seven-county metropolitan area except Minneapolis & St. Paul (Anoka, Carver, Dakota, Hennepin (except Minneapolis), Ramsey (except St. Paul), Scott, and Washington counties). Greater Minnesota = Remaining 80 counties outside of the seven-county metropolitan area.

Numbers and rates exclude people incarcerated federally and privately and refugees in the HIV-Positive Refugee Resettlement Program, as well as refugee/immigrants with an HIV diagnosis prior to arrival in Minnesota. People incarcerated by the state are included.

Rates calculated using U.S. Census 2010 data. Percentages may not add to 100 due to rounding.

HIV INCIDENCE REPORT 2020 TABLES

Table 3. Number of Cases and Rates (per 100,000 people) of HIV Diagnosis by Race/Ethnicity & Mode of Exposure^I Minnesota by Sex Assigned at Birth, 2020

Group	Assigned Male at Birth			Assigned Female at Birth			Total		
	Cases	%	Rate ^{IV}	Cases	%	Rate ^{IV}	Cases	%	Rate ^{III}
Race/Ethnicity									
American Indian, non-Hispanic	5	3%	18.2	4	11%	8.6	9	4%	16.2
Asian/PI, non-Hispanic	7	4%	6.6	1	3%	0.9	8	4%	3.7
Black ^{II} , African-born ^{III} , non-Hispanic	14	7%	X	11	30%	X	25	11%	19.9
Black ^{II} , non-African-born, non-Hispanic	61	32%	X	11	30%	X	72	32%	49.6
Hispanic, any race	30	16%	22.7	3	8%	2.5	33	15%	13.2
White, non-Hispanic	65	34%	3.0	6	16%	0.3	71	31%	1.6
Other ^{II} , non-Hispanic	7	4%	X	1	3%	X	8	4%	X
Total	189	100%	7.2	37	100%	1.4	226	100%	4.3
Mode of Exposure									
MSM	88	47%	X	--	--	X	88	%	X
IDU	9	5%	X	3	8%	X	12	%	X
MSM/IDU	16	8%	X	--	--	X	16	%	X
Heterosexual	7	4%	X	5	14%	X	12	%	X
Perinatal	0	0%	X	0	0%	X	0	0%	X
Other	0	0%	X	0	0%	X	0	0%	X
Unknown Risk	69	37%	X	29	78%	X	98	%	X
Total	189	100%	7.6	37	100%	2.8	226	100%	5.2

^I HIV Diagnosis includes all new cases of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis) among Minnesota residents in 2020.

^{II} African-born Black people are reported separately from other Black people (born in the U.S. or elsewhere). The Black, non-African-born population is non-Hispanic. "Other" includes multi-racial people and people with unknown race. Race information is missing for three 2020 incident HIV cases.

^{III} Rates calculated using U.S. Census 2010 data. The population estimate for African-born people was calculated by the Minnesota State Demographic Center. The population estimate for Black, non-African-born people (145,078) was calculated by subtracting the U.S. Census estimate for African-born people (125,939) from the total Black population (271,017). Note that this assumes that all African-born people are Black (as opposed to another race).

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^{iv} U.S. Census 2010 data necessary to calculate race-specific rates by gender are not available for all subpopulations, and/or numbers are too small to calculate reliable rates.

Numbers exclude federal and private prisoners and refugees in the HIV-Positive Refugee Resettlement Program, as well as, refugee/immigrants with an HIV diagnosis prior to arrival in Minnesota.

MSM = Men who have sex with men. IDU = Injecting drug use. Heterosexual = For males: heterosexual contact with a female known to be HIV+, an injecting drug user, or a hemophiliac/blood product or organ transplant recipient. For females: heterosexual contact with a male known to be HIV+, bisexual, an injecting drug user, or a hemophiliac/blood product or organ transplant recipient. Perinatal = Mother to child HIV transmission; birth may have occurred in a previous year. Unspecified = Cases who did not acknowledge any of the risks listed above. No Interview, Unspecified = Cases who refused to be, could not be or have not yet been interviewed.

Percentages may not add to 100 due to rounding.

HIV INCIDENCE REPORT DATA TABLES, MINNESOTA 2020

Table 4. Number of Cases and Rates (per 100,000 people) of HIV Diagnosis by County of Residence¹ --Minnesota, 2020

County ¹	HIV Diagnosis	
	Cases	Rate ^{III}
Aitkin	0	-
Anoka	10	3.0
Becker	0	-
Beltrami	1	-
Benton	5	13.0
Big Stone	0	-
Blue Earth	1	-
Brown	0	-
Carlton	0	-
Carver	0	-
Cass	1	-
Chippewa	0	-
Chisago	0	-
Clay	3	-
Clearwater	0	-
Cook	0	-
Cottonwood	0	-
Crow Wing	1	-
Dakota	16	4.0
Dodge	0	-
Douglas	1	-
Faribault	0	-
Fillmore	0	-

County ¹	HIV Diagnosis	
	Cases	Rate ^{III}
Freeborn	2	-
Goodhue	0	-
Grant	0	-
Hennepin	101	8.8
Houston	0	-
Hubbard	1	-
Isanti	0	-
Itasca	2	-
Jackson	0	-
Kanabec	0	-
Kandiyohi	0	-
Kittson	0	-
Koochiching	0	-
Lac Qui Parle	0	-
Lake	0	-
Lake of the Woods	0	-
Le Sueur	0	-
Lincoln	0	-
Lyon	1	-
Mahnomen	1	-
Marshall	0	-
Martin	1	-

County ¹	HIV Diagnosis	
	Cases	Rate ^{III}
McLeod	1	-
Meeker	0	-
Mille Lacs	0	-
Morrison	0	-
Mower	2	-
Murray	0	-
Nicollet	0	-
Nobles	1	-
Norman	0	-
Olmsted	4	-
Otter Tail	1	-
Pennington	0	-
Pine	0	-
Pipestone	0	-
Polk	0	-
Pope	0	-
Ramsey	38	7.5
Red Lake	0	-
Redwood	0	-
Renville	0	-
Rice	0	-
Rock	0	-
Roseau	0	-

County ¹	HIV Diagnosis	
	Cases	Rate ^{III}
Scott	4	-
Sherburne	3	-
Sibley	0	-
St. Louis	9	4.5
Stearns	6	4.0
Steele	2	-
Stevens	0	-
Swift	1	-
Todd	1	-
Traverse	0	-
Wabasha	0	-
Wadena	1	-
Waseca	0	-
Washington	4	-
Watsonwan	0	-
Wilkin	0	-
Winona	1	-
Wright	1	-
Yellow Medicine	1	-
State Total	226	4.3

¹HIV Diagnosis includes all new cases of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis) among Minnesota residents in 2020.

^{II}Residence at time of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis. Residence information is missing for 16 of 2020 incident HIV cases.

^{III}Rates calculated using U.S. Census 2010 data. Rates not calculated for counties with fewer than 5 cases.

HIV INCIDENCE REPORT DATA TABLES, MINNESOTA 2020

Numbers and rates exclude people incarcerated federally and privately and refugees in the HIV-Positive Refugee Resettlement Program, as well as, refugee/immigrants with an HIV diagnosis prior to arrival in Minnesota. HIV infection was diagnosed among 1 person incarcerated by the state during 2019 (State correctional facilities are located in the following counties: Anoka, Carlton, Chisago, Goodhue, Itasca, Rice, Scott, Sherburne, and Washington).

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Table 5a. Perinatal HIV Exposure^I: Number of Births to HIV-Infected Pregnant People by Year of Child's Birth and Pregnant Person's Race/Ethnicity, Minnesota 1982-2020

Year(s)	Race/Ethnicity of Pregnant Person							Total	Foreign-born Pregnant People ^{IV}	
	White	Black, African-American ^{III}	Black, African-born ^{III}	Hispanic	American Indian	Asian/PI	Multi-racial		Number	(% of total in time period)
1982-1999	84	61	10	9	13	3	10	190	20	11%
2000	12	9	7	2	1	1	1	33	9	27%
2001	1	19	11	1	2	0	2	36	14	39%
2002	9	6	13	3	2	0	3	36	14	39%
2003	5	12	18	7	0	1	4	47	21	45%
2004	7	13	22	3	2	1	1	49	24	49%
2005	7	8	20	3	0	2	1	41	25	61%
2006	7	14	21	6	1	1	2	52	27	52%
2007 [^]	16	12	24	2	2	1	2	60	29	48%
2008	3	12	26	6	0	1	5	53	34	64%
2009	15	13	33	4	1	1	4	71	39	55%
2010 [^]	7	13	22	2	2	1	4	51	23	46%
2011 [^]	10	10	28	9	4	1	4	69	36	53%
2012 [^]	14	11	25	3	2	0	4	60	32	54%
2013 [^]	8	11	32	5	4	1	1	64	35	56%
2014 [^]	5	8	40	4	1	0	6	66	45	73%
2015 [^]	3	10	30	3	0	0	5	51	32	65%
2016 [^]	6	9	32	5	0	1	8	64	38	63%
2017 [^]	5	9	33	4	1	2	3	57	41	77%
2018 [^]	10	10	28	8	0	2	6	65	38	58%
2019	7	4	37	4	2	1	4	57	40	70%
2020	5	9	24	2	0	0	2	42	27	64%
Cumulative Total	246	283	536	95	40	21	82	1314	642	49%

A birth to an HIV-Infected pregnant person was only included in the table if her residence at the time of child's birth was reported as Minnesota.

^I Exposure of child to HIV during pregnancy, at birth, and/or during breastfeeding.

^{II} HIV-infected pregnant people may or may not have progressed to an AIDS diagnosis.

HIV INCIDENCE REPORT DATA TABLES, MINNESOTA 2020

^{III} African-born Black people are reported separately from other Black people (born in the U.S. or elsewhere).

^{IV} Pregnant Peoples' places of birth include: Pregnant peoples' places of birth include: Africa (558), Asia/Pacific Islands (29), Central America/Caribbean (20), Europe (5), Mexico (21), Middle East (1) and South America (9).

[^] Pregnant Person's race was missing for 1 birth in 2007, 3 births in 2011, 1 birth in 2012, 2 birth in 2013, 2 births in 2014, 3 in 2016, and 1 in 2018. Country of mother's birth was missing for 1 birth in 2010, 1 birth in 2011, 1 birth in 2012, 2 birth in 2013, 4 births in 2014, 2 birth in 2015, 4 births in 2016 and 4 in 2017.

HIV INCIDENCE REPORT DATA TABLES, MINNESOTA 2020

Table 5b. Perinatal HIV Transmission^I: Number of Perinatally-Acquired HIV/AIDS Cases by Year of Child's Birth and Pregnant Person's Race/Ethnicity, Minnesota 1982-2020

Year(s)	Race/Ethnicity of Pregnant Person							Total	Foreign-born Pregnant Person ^{III}	
	White	Black, African-American ^{II}	Black, African-born ^{II}	Hispanic	American Indian	Asian/PI	Multi-racial		Number	(% of total in time period)
1982-1999	18	4	3	3	2	1	2	33	6	18%
2000	0	1	0	0	0	0	0	1	0	0%
2001	0	0	0	0	0	0	0	0	0	-
2002	0	0	0	1	0	0	0	1	1	100%
2003	0	0	1	0	0	0	0	1	1	100%
2004	0	0	0	0	0	0	0	0	0	-
2005	0	0	0	0	0	0	0	0	0	-
2006	0	0	1	0	0	0	0	1	1	100%
2007	0	0	1	0	0	0	0	1	1	100%
2008	0	0	0	0	0	0	0	0	0	-
2009	0	0	0	0	0	0	0	0	0	-
2010	0	0	2	0	0	0	0	2	2	100%
2011	0	0	0	0	0	0	0	0	0	-
2012	1	0	0	0	0	0	0	1	1	100%
2013	0	0	0	0	0	0	0	0	0	-
2014	0	1	0	0	0	0	0	1	0	0%
2015	0	2	1	0	0	0	0	2	1	50%
2016	0	0	0	0	0	0	0	0	0	-
2017	1	0	0	0	0	0	0	1	1	100%
2018	0	0	0	0	0	0	0	0	0	-
2019	0	0	0	0	0	0	0	0	0	-
2020	0	0	0	0	0	0	0	0	0	-
Cumulative Total	20	8	8	4	2	1	2	45	15	33%
Rate of Transmission 2018-2020	4.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.8%	--
Cumulative Rate of Transmission^{IV}	8.1%	2.5%	1.7%	4.2%	5.0%	--	--	3.4%	2.3%	--

HIV INCIDENCE REPORT DATA TABLES, MINNESOTA 2020

Cases of perinatally-acquired HIV/AIDS were only included in the table if the child's residence at the time of birth was reported as Minnesota.

^I Transmission of HIV from mother to child during pregnancy, at birth, and/or during breastfeeding.

^{II} African-born Black people are reported separately from other Black people (born in the U.S. or elsewhere).

^{III} Mothers' places of birth include: Africa (9), Asia/Pacific Islands (2), Central America/Caribbean (1), Europe (2), Mexico (1).

^{IV} The cumulative rate of HIV transmission is calculated by dividing the total number of perinatally-acquired HIV infections by the total number of births in a category and multiplying by 100. Rates calculated only for categories where the cumulative number of births is 30 or greater.

Minnesota Department of Health

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